European Journal of Pharmacology, 193 (1991) 385–388
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European Journal of Pharmacology, 193 (1991) 389–397
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Key word index

Action potential (spontaneous)
Mepirodipine; Verapamil; Diltiazem; Nifedipine; Sino-atrial node cells (rabbit); Voltage-clamp (Satoh, H. (193) 9)

Adenosine
1,3-Dipropyl-8-sulfophenylxanthine; Trophic effects; Arterial hypertension (Matias, A. (193) 101)

Airway
Submucosal gland; Mucus; Serine protease; Elastin (insoluble); Neutrophil elastase (EC 3.4.21.11) (human); Proteinase inhibitor; Hydrolase; (Bovine) (Sommerhoff, C.P. (193) 153)

Airway obstruction
Asthma; Edema; Formoterol; Histamine; Salbutamol; (Guinea-pig) (Tokuyama, K. (193) 35)

Aldose reductase inhibitors
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Analgesia
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Opioid receptors; DPDPE ([D-Pen^2,D-Pen^5]enkephalin); DAGO ([D-Ala^2,NMePhe^4,Gly-ol^5]enkephalin); Tail flick; (Species comparison) (Yoburn, B.C. (193) 105)

Opioid receptors; Spinal cord; PL017 (Tyr-Pro-N-MePhe-D-Pro-NH_2); DPDPE (cyclic [D-Pen^2,D-Pen^5]enkephalin); U-50,488H (trans-3,4-dichloro-N-methyl-N-(2-(1-pyrrolidinyl)cyclohexyl)benzeneacetamine); Diarrhea; Gastrointestinal transit (Lemcke, P.K. (193) 109)

ANF (atrial natriuretic factor)
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ATP
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BAY k 8644
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Benzodiazepines
β-Carbolines; Benzodiazepine receptor subtypes; Body temperature; (Full and partial agonists); (Antagonists) (Jackson, H.C. (193) 179)

Pentylenetetrazol (convulsant); L-Lysine; GABA (γ-aminobutyric acid); GABA/benzodiazepine/chloride channel receptor complex; Neurotransmission modulator (Chang, Y.-F. (193) 239)

Anxiety; Vocalizations (ultrasonic); 5-HT (5-hydroxytryptamine, serotonin); Glutamate; Glycine (Kehne, J.H. (193) 283)

Benzomorphan opiates
σ Binding sites; 1,3-Di-o-tolylguanidine (DTG); Haloperidol; Dextromethorphan; (+)-3-PPP ((+)-3-(3-hydroxyphenyl)-N-(1-propyl)-piperidine) (Karbon, E.W. (193) 21)

Binding sites
Idazoxan; Cerebral cortex; Ileum; Receptor subtypes; (Guinea-pig) (Wikberg, J.E.S. (193) 335)

σ Binding sites
Benzomorphan opiates; 1,3-Di-o-tolylguanidine (DTG); Haloperidol; Dextromethorphan; (+)-3-PPP ((+)-3-(3-hydroxyphenyl)-N-(1-propyl)piperidine) (Karbon, E.W. (193) 21)

Blood glucose
NAN-190; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Body temperature; 5-HT_{1A} receptors; (Mouse) (Wozniak, K.M. (193) 253)

Blood pressure
8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Heart rate; Tolerance; (Conscious rat) (Kolbasa, K.P. (193) 275)

BMY 7378
MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1A} receptors; NAN-190 (Millan, M.J. (193) 145)

8-OH-DPAT-induced hypothermia; 5-HT_{1A} receptors; NAN-190; WB 4101; (Species differences) (Moser, P.C. (193) 165)

Body temperature
Benzodiazepines; β-Carbolines; Benzodiazepine receptor subtypes; (Full and partial agonists); (Antagonists) (Jackson, H.C. (193) 179)

NAN-190; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Blood glucose; 5-HT_{1A} receptors; (Mouse) (Wozniak, K.M. (193) 253)

Bradykinin
Bradykinin B_2 receptors; Duodenum (rat); K^+ channels; Peptidase inhibitors; Lys,Lys-[Hyp^3,$Thi^{5,8}$,D-Phe^7]BK (Hall, J.M. (193) 231)

Bradykinin B_2 receptors
Bradykinin; Duodenum (rat); K^+ channels; Peptidase inhibitors; Lys,Lys-[Hyp^3,$Thi^{5,8}$,D-Phe^7]BK (Hall, J.M. (193) 231)

Brain
Polyamines; Polyamine binding; Polyamine uptake; Polyamine release; (Rat) (Gilad, G.M. (193) 41)

Endothelin; Sarafotoxin; Desensitization; *Xenopus* oocytes; (Receptor) (Shimada, S. (193) 123)

Brain imaging
Benzodiazepine receptors; Single photon emission computed tomography (SPECT) (Innis, R. (193) 249)

Brain (rat)
[^{3}H]Ohmefentanyl; μ-Opioid receptors; σ-Receptors (Wang, H. (193) 341)

Ca^{2+}-dependent K^+ currents
Heparin; Noradrenaline; Vas deferens; Smooth muscle cells (Takeda, M. (193) 375)

Carbamazepine
Contingent tolerance; Benzodiazepine receptors (peripheral-type); Kindling (Weiss, S.R.B. (193) 159)

β-Carbolines
Benzodiazepines; Benzodiazepine receptor subtypes; Body temperature; (Full and partial agonists); (Antagonists) (Jackson, H.C. (193) 179)

CCK_4
CCK receptors; CCK receptor antagonists; Exploratory activity; Anxiety (Harro, J. (193) 379)

CCK receptor antagonists
CCK receptors; CCK_4; Exploratory activity; Anxiety (Harro, J. (193) 379)

CCK receptors
CCK_4; CCK receptor antagonists; Exploratory activity; Anxiety (Harro, J. (193) 379)

Cerebral cortex
Idazoxan; Binding sites; Ileum; Receptor subtypes; (Guinea-pig) (Wikberg, J.E.S. (193) 335)

Cerebral ischemia
U-50,488H; κ-Opioid receptor agonists; Runway tasks; Working memory; Reference memory (Ohno, M. (193) 357)

Cholecystokinin (CCK)
Locomotor activity; Devazepide; L-365,260; (Mouse) (O'Neill, M.F. (193) 203)

Cholinergic neurons
Anion secretion; Muscarinic receptors; Jejunum (distal); (Rat) (Chandan, R. (193) 265)

Cholinergic neurotransmission
Muscarinic receptors; Pirenzepine; Gallamine; Trachea (guinea-pig) (Yang, Z.-J. (193) 301)

Clonidine, α_2-Adrenoceptors
Antidepressant activity; (Rat) (Cervo, L. (193) 309)

Cl^- transport
Na^+ transport; HCO_3^- transport; Jejunum (distal) (Chandan, R. (193) 257)

Contingent tolerance
Benzodiazepine receptors (peripheral-type); Carbamazepine; Kindling (Weiss, S.R.B. (193) 159)

Contractility
Heart (working, rat); ANF (atrial natriuretic factor); Coronary perfusion; Heart rate (Hütter, J.F. (193) 127)

INO 2628; K^+ channels; Muscarinic receptor; Sinoatrial pacemaker activity; Heart (isolated, dog) (Furukawa, Y. (193) 217)

Coronary blood flow
Endothelin; BAY k 8644; Myocardial function; (Pig) (Adachi, H. (193) 57)

Coronary perfusion
Heart (working, rat); ANF (atrial natriuretic factor); Contractility; Heart rate (Hütter, J.F. (193) 127)

Cytosolic Ca^{2+} levels
Okadaic acid; Vas deferens; Noradrenaline; ATP; KCl; BAY k 8644; Nifedipine (Shibata, S. (193) 1)

DAGO ([D-Ala^2,NMePhe^4,Gly-ol^5]enkephalin)
Opioid receptors; DPDPE ([D-Pen^2,D-Pen^5]enkephalin); Tail flick; Analgesia; (Species comparison) (Yoburn, B.C. (193) 105)

Dendrotoxin I (DTX_i)
Mast-cell degranulating peptide (MCD); Electroencephalography; Hippocampal slices; Anticonvulsants; Antiglutamate; K^+ channels (Stutzmann, J.-M. (193) 223)

Denudation
Endothelium; Arachidonic acid; Vascular reactivity; Methacholine; Nitroprusside (Rosolowsky, M. (193) 293)

Dependence (acute)
Morphine; Naltrexone; Opioid peptides; Sensitization; Operant behaviour (Adams, J.U. (193) 67)

Desensitization
Endothelin; Sarafotoxin; *Xenopus* oocytes; Brain; (Receptor) (Shimada, S. (193) 123)

Devazepide
Cholecystokinin (CCK); Locomotor activity; L-365,260; (Mouse) (O'Neill, M.F. (193) 203)

Dextromethorphan
σ Binding sites; Benzomorphan opiates; 1,3-Di-o-tolylguanidine (DTG); Haloperidol; (+)-3-PPP ((+)-3-(3-hydroxyphenyl)-N-(1-propyl)piperidine) (Karbon, E.W. (193) 21)

Diabetic neuropathy
Aldose reductase inhibitors; Motor nerve conduction velocity; Sorbitol; myo-Inositol (Kato, K. (193) 185)

Diarrhea
Opioid receptors; Spinal cord; PL017 (Tyr-Pro-N-MePhe-D-Pro-NH_2); DPDPE (cyclic [D-Pen^2,D-Pen^5]enkephalin); U-50,488H (trans-3,4-dichloro-N-methyl-N-(2-(1-pyrrolidinyl)cyclohexyl)benzeneacetamine); Analgesia; Gastrointestinal transit (Lemcke, P.K. (193) 109)

Diltiazem
Mepirodipine; Verapamil; Nifedipine; Sino-atrial node cells (rabbit); Action potential (spontaneous); Voltage-clamp (Satoh, H. (193) 9)

1,3-Di-o-tolylguanidine (DTG)
σ Binding sites; Benzomorphan opiates; Haloperidol; Dextromethorphan; (+)-3-PPP ((+)-3-(3-hydroxyphenyl)-N-(1-propyl)piperidine) (Karbon, E.W. (193) 21)

1,3-Dipropyl-8-sulfophenylxanthine
Adenosine; Trophic effects; Arterial hypertension (Matias, A. (193) 101)

Ditolyl-ortho guanidine (DTG)
σ Ligands; Vas deferens; Phencyclidine (Fox, P.K. (193) 139)

Dopamine
[Met^5]enkephalin; Opioid peptides; Stress; (Mouse) (Katoh, A. (193) 95)

Dynorphin A; MDMA (3,4-methylenedioxymethamphetamine); NMDA (N-methyl-D-aspartate); Neurotensin (Johnson, M. (193) 367)

DP-1904
Thromboxane A_2; Thromboxane A_2 synthase inhibitor; Renal ischemia; Hydronephrosis (Masumura, H. (193) 321)

DPDPE (cyclic [D-Pen^2,D-Pen^5]enkephalin)
Opioid receptors; Spinal cord; PL017 (Tyr-Pro-N-MePhe-D-Pro-NH_2); U-50,488H (trans-3,4-dichloro-N-methyl-N-(2-(1-pyrrolidinyl)cyclohexyl)benzeneacetamine); Diarrhea; Analgesia; Gastrointestinal transit (Lemcke, P.K. (193) 109)

DPDPE ([D-Pen^2,D-Pen^5]enkephalin)
Opioid receptors; DAGO ([D-Ala^2,NMePhe^4,Gly-ol^5]enkephalin); Tail flick; Analgesia; (Species comparison) (Yoburn, B.C. (193) 105)

Duodenum (rat)
Bradykinin; Bradykinin B_2 receptors; K^+ channels; Peptidase inhibitors; Lys,Lys-[Hyp^3,Thi^{5,8},D-Phe^7]BK (Hall, J.M. (193) 231)

Dynorphin A
Dopamine; MDMA (3,4-methylenedioxymethamphetamine); NMDA (N-methyl-D-aspartate); Neurotensin (Johnson, M. (193) 367)

Edema
Airway obstruction; Asthma; Formoterol; Histamine; Salbutamol; (Guinea-pig) (Tokuyama, K. (193) 35)

EDRF (endothelium-derived relaxing factor)
Pentoxifylline; Aorta (rat) (Berkenboom, G. (193) 81)

Elastin (insoluble)
Airway; Submucosal gland; Mucus; Serine protease; Neutrophil elastase (EC 3.4.21.11) (human); Proteinase inhibitor; Hydrolase; (Bovine) (Sommerhoff, C.P. (193) 153)

Electroencephalography
Mast-cell degranulating peptide (MCD); Dendrotoxin I (DTX_i); Hippocampal slices; Anticonvulsants; Antiglutamate; K^+ channels (Stutzmann, J.-M. (193) 223)

Endothelin
BAY k 8644; Coronary blood flow; Myocardial function; (Pig) (Adachi, H. (193) 57)

Sarafotoxin; Desensitization; *Xenopus* oocytes; Brain; (Receptor) (Shimada, S. (193) 123)

Endothelin-1
BAY k 8644; Vas deferens; (Rat) (Shoji, T. (193) 371)

Endothelium
Galanin; Mesenteric microcirculation; Smooth muscle (arteriolar); K^+ channels (ATP-sensitive) (Nakayama, K. (193) 75)

Denudation; Arachidonic acid; Vascular reactivity; Methacholine; Nitroprusside (Rosolowsky, M. (193) 293)

[Met^5]enkephalin
Opioid peptides; Dopamine; Stress; (Mouse) (Katoh, A. (193) 95)

Excitatory amino acids
Pentylenetetrazol; Kindling; MK-801; GABA (γ-aminobutyric acid) (Giorgi, O. (193) 363)

Exploratory activity
CCK receptors; CCK_4; CCK receptor antagonists; Anxiety (Harro, J. (193) 379)

Formoterol
Airway obstruction; Asthma; Edema; Histamine; Salbutamol; (Guinea-pig) (Tokuyama, K. (193) 35)

Fundus stomach
Neuromedin U; Smooth muscle; Intestine; (Rat, Frog) (Benito-Orfila, M.A. (193) 329)

GABA/benzodiazepine/chloride channel receptor complex
Pentylenetetrazol (convulsant); L-Lysine; Benzodiazepines; GABA (γ-aminobutyric acid); Neurotransmission modulator (Chang, Y.-F. (193) 239)

GABA (γ-aminobutyric acid)
Pentylenetetrazol (convulsant); L-Lysine; Benzodiazepines; GABA/benzodiazepine/chloride channel receptor complex; Neurotransmission modulator (Chang, Y.-F. (193) 239)

Pentylenetetrazol; Kindling; MK-801; Excitatory amino acids (Giorgi, O. (193) 363)

Galanin
Mesenteric microcirculation; Smooth muscle (arteriolar); Endothelium; K^+ channels (ATP-sensitive) (Nakayama, K. (193) 75)

Gallamine
Cholinergic neurotransmission; Muscarinic receptors; Pirenzepine; Trachea (guinea-pig) (Yang, Z.-J. (193) 301)

Gastrointestinal transit
Opioid receptors; Spinal cord; PL017 (Tyr-Pro-N-MePhe-D-Pro-NH_2); DPDPE (cyclic [D-Pen^2,D-Pen^5]enkephalin); U-50,488H (trans-3,4-dichloro-N-methyl-N-(2-(1-pyrrolidinyl)cyclohexyl)benzeneacetamine); Diarrhea; Analgesia (Lemcke, P.K. (193) 109)

Glutamate
Anxiety; Vocalizations (ultrasonic); Benzodiazepines; 5-HT (5-hydroxytryptamine, serotonin); Glycine (Kehne, J.H. (193) 283)

Glycine
Anxiety; Vocalizations (ultrasonic); Benzodiazepines; 5-HT (5-hydroxytryptamine, serotonin); Glutamate (Kehne, J.H. (193) 283)

Haloperidol
σ Binding sites; Benzomorphan opiates; 1,3-Di-o-tolylguanidine (DTG); Dextromethorphan; (+)-3-PPP ((+)-3-(3-hydroxyphenyl)-N-(1-propyl)piperidine) (Karbon, E.W. (193) 21)

HCO_3^- transport
Na^+ transport; Cl^- transport; Jejunum (distal) (Chandan, R. (193) 257)

Heart (isolated, dog)
INO 2628; K^+ channels; Muscarinic receptor; Sinoatrial pacemaker activity; Contractility (Furukawa, Y. (193) 217)

Heart rate
Heart (working, rat); ANF (atrial natriuretic factor); Coronary perfusion; Contractility (Hütter, J.F. (193) 127)

8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Blood pressure; Tolerance; (Conscious rat) (Kolbasa, K.P. (193) 275)

Heart (working, rat)
ANF (atrial natriuretic factor); Coronary perfusion; Contractility; Heart rate (Hütter, J.F. (193) 127)

Hemoglobin (proportions)
Aspirin; 5-Azacytidine; Hydroxyurea; Prostaglandins; (Rat) (Datta, M.C. (193) 173)

Heparin
Ca^{2+}-dependent K^+ currents; Noradrenaline; Vas deferens; Smooth muscle cells (Takeda, M. (193) 375)

Hippocampal slices
Mast-cell degranulating peptide (MCD); Dendrotoxin I (DTX_i); Electroencephalography; Anticonvulsants; Antiglutamate; K^+ channels (Stutzmann, J.-M. (193) 223)

Histamine
Airway obstruction; Asthma; Edema; Formoterol; Salbutamol; (Guinea-pig) (Tokuyama, K. (193) 35)

5-HT (5-hydroxytryptamine, serotonin)
MDMA (3,4-methylenedioxymethamphetamine); $5\text{-}HT_{1A}$ receptors; BMY 7378; NAN-190 (Millan, M.J. (193) 145)

Paracetamol; Noradrenaline; Antinociception; Spinal cord (Tjølsen, A. (193) 193)

Anxiety; Vocalizations (ultrasonic); Benzodiazepines; Glutamate; Glycine (Kehne, J.H. (193) 283)

Kidney; Renin release; Methysergide; Ketanserin; Indomethacin (Takahashi, T. (193) 315)

5-HT receptor agonists
Locomotor activity; 8-OHDPAT 8-hydroxy-(di-N-propylamino)tetralin, Dorsal raphe nucleus; Median raphe nucleus, $5\text{-}HT_{1A}$ receptor agonists (Higgins, G.A. (193) 351)

$5\text{-}HT_{1A}$ receptors
MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin); BMY 7378; NAN-190 (Millan, M.J. (193) 145)

8-OH-DPAT-induced hypothermia; NAN-190; BMY 7378; WB 4101; (Species differences) (Moser, P.C. (193) 165)

NAN-190; 8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Body temperature; Blood glucose; (Mouse) (Wozniak, K.M. (193) 253)

Hydrolase
Airway; Submucosal gland; Mucus; Serine protease; Elastin (insoluble); Neutrophil elastase (EC 3.4.21.11) (human); Proteinase inhibitor; (Bovine) (Sommerhoff, C.P. (193) 153)

Hydronephrosis
DP-1904; Thromboxane A_2; Thromboxane A_2 synthase inhibitor; Renal ischemia (Masumura, H. (193) 321)

Hydroxyurea
Aspirin; 5-Azacytidine; Hemoglobin (proportions); Prostaglandins; (Rat) (Datta, M.C. (193) 173)

Idazoxan
Binding sites; Cerebral cortex; Ileum; Receptor subtypes; (Guinea-pig) (Wikberg, J.E.S. (193) 335)

Ileum
Idazoxan; Binding sites; Cerebral cortex; Receptor subtypes; (Guinea-pig) (Wikberg, J.E.S. (193) 335)

Indomethacin
5-HT (5-hydroxytryptamine, serotonin); Kidney; Renin release; Methysergide; Ketanserin (Takahashi, T. (193) 315)

INO 2628
K^+ channels; Muscarinic receptor; Sinoatrial pacemaker activity; Contractility; Heart (isolated, dog) (Furukawa, Y. (193) 217)

myo-Inositol
Aldose reductase inhibitors; Diabetic neuropathy; Motor nerve conduction velocity; Sorbitol (Kato, K. (193) 185)

Intestine
Neuromedin U; Smooth muscle; Fundus stomach; (Rat, Frog) (Benito-Orfila, M.A. (193) 329)

Jejunum (distal)
Na^+ transport; Cl^- transport; HCO_3^- transport (Chandan, R. (193) 257)

Anion secretion; Muscarinic receptors; Cholinergic neurons; (Rat) (Chandan, R. (193) 265)

K^+ channels
INO 2628; Muscarinic receptor; Sinoatrial pacemaker activity; Contractility; Heart (isolated, dog) (Furukawa, Y. (193) 217)

Mast-cell degranulating peptide (MCD); Dendrotoxin I (DTX_i); Electroencephalography; Hippocampal slices; Anticonvulsants; Antiglutamate (Stutzmann, J.-M. (193) 223)

Bradykinin; Bradykinin B_2 receptors; Duodenum (rat); Peptidase inhibitors; Lys,Lys-[Hyp^3,$Thi^{5,8}$,D-Phe^7]BK (Hall, J.M. (193) 231)

K^+ channels (ATP-sensitive)
Galanin; Mesenteric microcirculation; Smooth muscle (arteriolar); Endothelium (Nakayama, K. (193) 75)

KCl
Okadaic acid; Vas deferens; Noradrenaline; ATP; BAY k 8644; Nifedipine; Cytosolic Ca^{2+} levels (Shibata, S. (193) 1)

Ketanserin
5-HT (5-hydroxytryptamine, serotonin); Kidney; Renin release; Methysergide; Indomethacin (Takahashi, T. (193) 315)

Kidney
5-HT (5-hydroxytryptamine, serotonin); Renin release; Methysergide; Ketanserin; Indomethacin (Takahashi, T. (193) 315)

Kindling
Contingent tolerance; Benzodiazepine receptors (peripheral-type); Carbamazepine (Weiss, S.R.B. (193) 159)

Pentylenetetrazol; MK-801; GABA (γ-aminobutyric acid); Excitatory amino acids (Giorgi, O. (193) 363)

L-365,260
Cholecystokinin (CCK); Locomotor activity; Devazepide; (Mouse) (O'Neill, M.F. (193) 203)

Leukotriene B_4
Pleurisy; Thromboxane B_2; Lipoxygenase inhibitors; WY-50,295 tromethamine (Berkenkopf, J.W. (193) 29)

σ Ligands
Vas deferens; Phencyclidine; Ditolyl-ortho guanidine (DTG) (Fox, P.K. (193) 139)

Lipoxygenase inhibitors
Pleurisy; Leukotriene B_4; Thromboxane B_2; WY-50,295 tromethamine (Berkenkopf, J.W. (193) 29)

Locomotor activity
Cholecystokinin (CCK); Devazepide; L-365,260; (Mouse) (O'Neill, M.F. (193) 203)

5-HT receptor agonists; 8-OHDPAT 8-hydroxy-(di-N-propylamino)-tetralin, Dorsal raphe nucleus; Median raphe nucleus, 5-HT_{1A} receptor agonists (Higgins, G.A. (193) 351)

L-Lysine
Pentylenetetrazol (convulsant); Benzodiazepines; GABA (γ-aminobutyric acid); GABA/benzodiazepine/chloride channel receptor complex; Neurotransmission modulator (Chang, Y.-F. (193) 239)

Lys,Lys-[Hyp^3,$Thi^{5,8}$,D-Phe^7]BK
Bradykinin; Bradykinin B_2 receptors; Duodenum (rat); K^+ channels; Peptidase inhibitors (Hall, J.M. (193) 231)

Mast-cell degranulating peptide (MCD)
Dendrotoxin I (DTX_i); Electroencephalography; Hippocampal slices; Anticonvulsants; Antiglutamate; K^+ channels (Stutzmann, J.-M. (193) 223)

MDMA (3,4-methylenedioxymethamphetamine)
5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1A} receptors; BMY 7378; NAN-190 (Millan, M.J. (193) 145)

Dopamine; Dynorphin A; NMDA (N-methyl-D-aspartate); Neurotensin (Johnson, M. (193) 367)

Median raphe nucleus, 5-HT_{1A} receptor agonists
Locomotor activity; 5-HT receptor agonists; 8-OHDPAT 8-hydroxy-(di-N-propylamino)tetralin, Dorsal raphe nucleus (Higgins, G.A. (193) 351)

Mepirodipine
Verapamil; Diltiazem; Nifedipine; Sino-atrial node cells (rabbit); Action potential (spontaneous); Voltage-clamp (Satoh, H. (193) 9)

Mesenteric microcirculation
Galanin; Smooth muscle (arteriolar); Endothelium; K^+ channels (ATP-sensitive) (Nakayama, K. (193) 75)

Methacholine
Denudation; Endothelium; Arachidonic acid; Vascular reactivity; Nitroprusside (Rosolowsky, M. (193) 293)

Methysergide
5-HT (5-hydroxytryptamine, serotonin); Kidney; Renin release; Ketanserin; Indomethacin (Takahashi, T. (193) 315)

MK-801
Pentylenetetrazol; Kindling; GABA (γ-aminobutyric acid); Excitatory amino acids (Giorgi, O. (193) 363)

Morphine
Morphine-6-glucuronide; Morphine-3-glucuronide; Analgesia; Ventilatory depression (Gong, Q.-L. (193) 47)

Naltrexone; Opioid peptides; Sensitization; Dependence (acute); Operant behaviour (Adams, J.U. (193) 67)

Morphine-3-glucuronide
Morphine; Morphine-6-glucuronide; Analgesia; Ventilatory depression (Gong, Q.-L. (193) 47)

Morphine-6-glucuronide
Morphine; Morphine-3-glucuronide; Analgesia; Ventilatory depression (Gong, Q.-L. (193) 47)

Motor nerve conduction velocity
Aldose reductase inhibitors; Diabetic neuropathy; Sorbitol; myo-Inositol (Kato, K. (193) 185)

Mucus
Airway; Submucosal gland; Serine protease; Elastin (insoluble); Neutrophil elastase (EC 3.4.21.11) (human); Proteinase inhibitor; Hydrolase; (Bovine) (Sommerhoff, C.P. (193) 153)

Muscarinic autoreceptors
Smooth muscle (tracheal); Muscarinic M_2 receptors; (Guinea-pig) (Doelman, C.J.A. (193) 117)

Muscarinic receptor
INO 2628; K^+ channels; Sinoatrial pacemaker activity; Contractility; Heart (isolated, dog) (Furukawa, Y. (193) 217)

Muscarinic receptors
Anion secretion; Cholinergic neurons; Jejunum (distal); (Rat) (Chandan, R. (193) 265)

Cholinergic neurotransmission; Pirenzepine; Gallamine; Trachea (guinea-pig) (Yang, Z.-J. (193) 301)

Muscarinic M_2 receptors
Smooth muscle (tracheal); Muscarinic autoreceptors; (Guinea-pig) (Doelman, C.J.A. (193) 117)

Myocardial function
Endothelin; BAY k 8644; Coronary blood flow; (Pig) (Adachi, H. (193) 57)

Naltrexone
Morphine; Opioid peptides; Sensitization; Dependence (acute); Operant behaviour (Adams, J.U. (193) 67)

NAN-190
MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1A} receptors; BMY 7378 (Millan, M.J. (193) 145)

8-OH-DPAT-induced hypothermia; 5-HT_{1A} receptors; BMY 7378; WB 4101; (Species differences) (Moser, P.C. (193) 165)

8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Body temperature; Blood glucose; 5-HT_{1A} receptors; (Mouse) (Wozniak, K.M. (193) 253)

Na^+ transport
Cl^- transport; HCO_3^- transport; Jejunum (distal) (Chandan, R. (193) 257)

Neurokinin
Substance P; Opioids (intrathecal); Spinal cord; Nociception (Lei, S.Z. (193) 209)

Neuromedin U
Smooth muscle; Fundus stomach; Intestine; (Rat, Frog) (Benito-Orfila, M.A. (193) 329)

Neuropeptide Y
[Pro^{34}]neuropeptide Y; (Postjunctional); (In vivo); (Rat) (Potter, E.K. (193) 15)

Peptide YY; σ Receptors; Phencyclidine receptors; (Binding) (Tam, S.W. (193) 121)

[Pro^{34}]neuropeptide Y
Neuropeptide Y; (Postjunctional); (In vivo); (Rat) (Potter, E.K. (193) 15)

Neurotensin
Dopamine; Dynorphin A; MDMA (3,4-methylenedioxymethamphetamine); NMDA (N-methyl-D-aspartate) (Johnson, M. (193) 367)

Neurotransmission modulator
Pentylenetetrazol (convulsant); L-Lysine; Benzodiazepines; GABA (γ-aminobutyric acid); GABA/benzodiazepine/chloride channel receptor complex (Chang, Y.-F. (193) 239)

Neutrophil elastase (EC 3.4.21.11) (human)
Airway; Submucosal gland; Mucus; Serine protease; Elastin (insoluble); Proteinase inhibitor; Hydrolase; (Bovine) (Sommerhoff, C.P. (193) 153)

Nifedipine
Okadaic acid; Vas deferens; Noradrenaline; ATP; KCl; BAY k 8644; Cytosolic Ca^{2+} levels (Shibata, S. (193) 1)

Mepirodipine; Verapamil; Diltiazem; Sino-atrial node cells (rabbit); Action potential (spontaneous); Voltage-clamp (Satoh, H. (193) 9)

Nitroprusside
Denudation; Endothelium; Arachidonic acid; Vascular reactivity; Methacholine (Rosolowsky, M. (193) 293)

NMDA (N-methyl-D-aspartate)
Dopamine; Dynorphin A; MDMA (3,4-methylenedioxymethamphetamine); Neurotensin (Johnson, M. (193) 367)

Nociception
Neurokinin; Substance P; Opioids (intrathecal); Spinal cord (Lei, S.Z. (193) 209)

Noradrenaline
Okadaic acid; Vas deferens; ATP; KCl; BAY k 8644; Nifedipine; Cytosolic Ca^{2+} levels (Shibata, S. (193) 1)

Paracetamol; 5-HT (5-hydroxytryptamine, serotonin); Antinociception; Spinal cord (Tjølsen, A. (193) 193)

Heparin; Ca^{2+}-dependent K^+ currents; Vas deferens; Smooth muscle cells (Takeda, M. (193) 375)

8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin)
NAN-190; Body temperature; Blood glucose; 5-HT_{1A} receptors; (Mouse) (Wozniak, K.M. (193) 253)

Blood pressure; Heart rate; Tolerance; (Conscious rat) (Kolbasa, K.P. (193) 275)

8-OHDPAT 8-hydroxy-(di-N-propylamino)tetralin, Dorsal raphe nucleus
Locomotor activity; 5-HT receptor agonists; Median raphe nucleus, 5-HT_{1A} receptor agonists (Higgins, G.A. (193) 351)

8-OH-DPAT-induced hypothermia
5-HT_{1A} receptors; NAN-190; BMY 7378; WB 4101; (Species differences) (Moser, P.C. (193) 165)

[^{3}H]Ohmefentanyl
μ-Opioid receptors; σ-Receptors; Brain (rat) (Wang, H. (193) 341)

Okadaic acid
Vas deferens; Noradrenaline; ATP; KCl; BAY k 8644; Nifedipine; Cytosolic Ca^{2+} levels (Shibata, S. (193) 1)

Operant behaviour
Morphine; Naltrexone; Opioid peptides; Sensitization; Dependence (acute) (Adams, J.U. (193) 67)

Opioid peptides
Morphine; Naltrexone; Sensitization; Dependence (acute); Operant behaviour (Adams, J.U. (193) 67)

[Met^5]enkephalin; Dopamine; Stress; (Mouse) (Katoh, A. (193) 95)

κ-Opioid receptor agonists
U-50,488H; Cerebral ischemia; Runway tasks; Working memory; Reference memory (Ohno, M. (193) 357)

Opioid receptors
DPDPE ([D-Pen^2,D-Pen^5]enkephalin); DAGO ([D-Ala^2,NMePhe^4, Gly-ol^5]enkephalin); Tail flick; Analgesia; (Species comparison) (Yoburn, B.C. (193) 105)

Spinal cord; PL017 (Tyr-Pro-N-MePhe-D-Pro-NH_2); DPDPE (cyclic [D-Pen^2,D-Pen^5]enkephalin); U-50,488H (trans-3,4-dichloro-N-methyl-N-(2-(1-pyrrolidinyl)cyclohexyl)benzeneacetamine); Diarrhea; Analgesia; Gastrointestinal transit (Lemcke, P.K. (193) 109)

μ-Opioid receptors
[^{3}H]Ohmefentanyl; σ-Receptors; Brain (rat) (Wang, H. (193) 341)

Opioids (intrathecal)
Neurokinin; Substance P; Spinal cord; Nociception (Lei, S.Z. (193) 209)

Paracetamol
5-HT (5-hydroxytryptamine, serotonin); Noradrenaline; Antinociception; Spinal cord (Tjølsen, A. (193) 193)

Pentoxifylline
Aorta (rat); EDRF (endothelium-derived relaxing factor) (Berkenboom, G. (193) 81)

Pentylenetetrazol
Kindling; MK-801; GABA (γ-aminobutyric acid); Excitatory amino acids (Giorgi, O. (193) 363)

Pentylenetetrazol (convulsant)
L-Lysine; Benzodiazepines; GABA (γ-aminobutyric acid); GABA/benzodiazepine/chloride channel receptor complex; Neurotransmission modulator (Chang, Y.-F. (193) 239)

Peptidase inhibitors
Bradykinin; Bradykinin B_2 receptors; Duodenum (rat); K^+ channels; Lys,Lys-[Hyp^3,Thi^{5,8},D-Phe^7]BK (Hall, J.M. (193) 231)

Peptide YY
Neuropeptide Y; σ Receptors; Phencyclidine receptors; (Binding) (Tam, S.W. (193) 121)

Phencyclidine
σ Ligands; Vas deferens; Ditolyl-ortho guanidine (DTG) (Fox, P.K. (193) 139)

Phencyclidine receptors
Neuropeptide Y; Peptide YY; σ Receptors; (Binding) (Tam, S.W. (193) 121)

Pirenzepine
Cholinergic neurotransmission; Muscarinic receptors; Gallamine; Trachea (guinea-pig) (Yang, Z.-J. (193) 301)

Pleurisy
Leukotriene B_4; Thromboxane B_2; Lipoxygenase inhibitors; WY-50,295 tromethamine (Berkenkopf, J.W. (193) 29)

PL017 (Tyr-Pro-N-MePhe-D-Pro-NH_2)
Opioid receptors; Spinal cord; DPDPE (cyclic [D-Pen^2,D-Pen^5]enkephalin); U-50,488H (trans-3,4-dichloro-N-methyl-N-(2-(1-pyrrolidinyl)cyclohexyl)benzeneacetamine); Diarrhea; Analgesia; Gastrointestinal transit (Lemcke, P.K. (193) 109)

Polyamine binding
Polyamines; Polyamine uptake; Polyamine release; Brain; (Rat) (Gilad, G.M. (193) 41)

Polyamine release
Polyamines; Polyamine binding; Polyamine uptake; Brain; (Rat) (Gilad, G.M. (193) 41)

Polyamines
Polyamine binding; Polyamine uptake; Polyamine release; Brain; (Rat) (Gilad, G.M. (193) 41)

Polyamine uptake
Polyamines; Polyamine binding; Polyamine release; Brain; (Rat) (Gilad, G.M. (193) 41)

Prostaglandins
Aspirin; 5-Azacytidine; Hydroxyurea; Hemoglobin (proportions); (Rat) (Datta, M.C. (193) 173)

Proteinase inhibitor
Airway; Submucosal gland; Mucus; Serine protease; Elastin (insoluble); Neutrophil elastase (EC 3.4.21.11) (human); Hydrolase; (Bovine) (Sommerhoff, C.P. (193) 153)

σ-Receptors
Neuropeptide Y; Peptide YY; Phencyclidine receptors; (Binding) (Tam, S.W. (193) 121)

[^{3}H]Ohmefentanyl; μ-Opioid receptors; Brain (rat) (Wang, H. (193) 341)

Receptor subtypes
Idazoxan; Binding sites; Cerebral cortex; Ileum; (Guinea-pig) (Wikberg, J.E.S. (193) 335)

Reference memory
U-50,488H; κ-Opioid receptor agonists; Cerebral ischemia; Runway tasks; Working memory (Ohno, M. (193) 357)

Renal ischemia
DP-1904; Thromboxane A_2; Thromboxane A_2 synthase inhibitor; Hydronephrosis (Masumura, H. (193) 321)

Renin release
5-HT (5-hydroxytryptamine, serotonin); Kidney; Methysergide; Ketanserin; Indomethacin (Takahashi, T. (193) 315)

Runway tasks
U-50,488H; κ-Opioid receptor agonists; Cerebral ischemia; Working memory; Reference memory (Ohno, M. (193) 357)

Salbutamol
Airway obstruction; Asthma; Edema; Formoterol; Histamine; (Guinea-pig) (Tokuyama, K. (193) 35)

Sarafotoxin
Endothelin; Desensitization; *Xenopus* oocytes; Brain; (Receptor) (Shimada, S. (193) 123)

Sensitization
Morphine; Naltrexone; Opioid peptides; Dependence (acute); Operant behaviour (Adams, J.U. (193) 67)

Serine protease
Airway; Submucosal gland; Mucus; Elastin (insoluble); Neutrophil elastase (EC 3.4.21.11) (human); Proteinase inhibitor; Hydrolase; (Bovine) (Sommerhoff, C.P. (193) 153)

Single photon emission computed tomography (SPECT)
Benzodiazepine receptors; Brain imaging (Innis, R. (193) 249)

Sino-atrial node cells (rabbit)
Mepirodipine; Verapamil; Diltiazem; Nifedipine; Action potential (spontaneous); Voltage-clamp (Satoh, H. (193) 9)

Sinoatrial pacemaker activity
INO 2628; K^+ channels; Muscarinic receptor; Contractility; Heart (isolated, dog) (Furukawa, Y. (193) 217)

Smooth muscle
Neuromedin U; Fundus stomach; Intestine; (Rat, Frog) (Benito-Orfila, M.A. (193) 329)

Smooth muscle (arteriolar)
Galanin; Mesenteric microcirculation; Endothelium; K^+ channels (ATP-sensitive) (Nakayama, K. (193) 75)

Smooth muscle cells
Heparin; Ca^{2+}-dependent K^+ currents; Noradrenaline; Vas deferens (Takeda, M. (193) 375)

Smooth muscle (tracheal)
Muscarinic autoreceptors; Muscarinic M_2 receptors; (Guinea-pig) (Doelman, C.J.A. (193) 117)

Sorbitol
Aldose reductase inhibitors; Diabetic neuropathy; Motor nerve conduction velocity; myo-Inositol (Kato, K. (193) 185)

Spinal cord
Opioid receptors; PL017 (Tyr-Pro-N-MePhe-D-Pro-NH_2); DPDPE (cyclic [D-Pen^2,D-Pen^5]enkephalin); U-50,488H (trans-3,4-dichloro-N-methyl-N-(2-(1-pyrrolidinyl)cyclohexyl)benzeneacetamine); Diarrhea; Analgesia; Gastrointestinal transit (Lemcke, P.K. (193) 109)

Paracetamol; 5-HT (5-hydroxytryptamine, serotonin); Noradrenaline; Antinociception (Tjølsen, A. (193) 193)

Neurokinin; Substance P; Opioids (intrathecal); Nociception (Lei, S.Z. (193) 209)

Stress
[Met^5]enkephalin; Opioid peptides; Dopamine; (Mouse) (Katoh, A. (193) 95)

Submucosal gland
Airway; Mucus; Serine protease; Elastin (insoluble); Neutrophil elastase (EC 3.4.21.11) (human); Proteinase inhibitor; Hydrolase; (Bovine) (Sommerhoff, C.P. (193) 153)

Substance P
Neurokinin; Opioids (intrathecal); Spinal cord; Nociception (Lei, S.Z. (193) 209)

Tail flick
Opioid receptors; DPDPE ([D-Pen^2,D-Pen^5]enkephalin); DAGO ([D-Ala^2,NMePhe^4,Gly-ol^5]enkephalin); Analgesia; (Species comparison) (Yoburn, B.C. (193) 105)

Thromboxane A_2
DP-1904; Thromboxane A_2 synthase inhibitor; Renal ischemia; Hydronephrosis (Masumura, H. (193) 321)

Thromboxane A_2 synthase inhibitor
DP-1904; Thromboxane A_2; Renal ischemia; Hydronephrosis (Masumura, H. (193) 321)

Thromboxane B_2
Pleurisy; Leukotriene B_4; Lipoxygenase inhibitors; WY-50,295 tromethamine (Berkenkopf, J.W. (193) 29)

Tolerance
8-OH-DPAT (8-hydroxy-2-(di-n-propylamino)tetralin); Blood pressure; Heart rate; (Conscious rat) (Kolbasa, K.P. (193) 275)

Trachea (guinea-pig)
Cholinergic neurotransmission; Muscarinic receptors; Pirenzepine; Gallamine (Yang, Z.-J. (193) 301)

Trophic effects
Adenosine; 1,3-Dipropyl-8-sulfophenylxanthine; Arterial hypertension (Matias, A. (193) 101)

U-50,488H
κ-Opioid receptor agonists; Cerebral ischemia; Runway tasks; Working memory; Reference memory (Ohno, M. (193) 357)

U-50,488H (trans-3,4-dichloro-N-methyl-N-(2-(1-pyrrolidinyl)cyclohexyl)benzeneacetamine)
Opioid receptors; Spinal cord; PL017 (Tyr-Pro-N-MePhe-D-Pro-NH_2); DPDPE (cyclic [D-Pen^2,D-Pen^5]enkephalin); Diarrhea; Analgesia; Gastrointestinal transit (Lemcke, P.K. (193) 109)

Vascular reactivity
Denudation; Endothelium; Arachidonic acid; Methacholine; Nitroprusside (Rosolowsky, M. (193) 293)

Vas deferens
Okadaic acid; Noradrenaline; ATP; KCl; BAY k 8644; Nifedipine; Cytosolic Ca^{2+} levels (Shibata, S. (193) 1)

σ Ligands; Phencyclidine; Ditolyl-ortho guanidine (DTG) (Fox, P.K. (193) 139)

Endothelin-1; BAY k 8644; (Rat) (Shoji, T. (193) 371)

Heparin; Ca^{2+}-dependent K^+ currents; Noradrenaline; Smooth muscle cells (Takeda, M. (193) 375)

Ventilatory depression
Morphine; Morphine-6-glucuronide; Morphine-3-glucuronide; Analgesia (Gong, Q.-L. (193) 47)

Verapamil
Mepirodipine; Diltiazem; Nifedipine; Sino-atrial node cells (rabbit); Action potential (spontaneous); Voltage-clamp (Satoh, H. (193) 9)

Vocalizations (ultrasonic)
Anxiety; Benzodiazepines; 5-HT (5-hydroxytryptamine, serotonin); Glutamate; Glycine (Kehne, J.H. (193) 283)

Voltage-clamp
Mepirodipine; Verapamil; Diltiazem; Nifedipine; Sino-atrial node cells (rabbit); Action potential (spontaneous) (Satoh, H. (193) 9)

WB 4101
8-OH-DPAT-induced hypothermia; $5\text{-}HT_{1A}$ receptors; NAN-190; BMY 7378; (Species differences) (Moser, P.C. (193) 165)

Working memory
U-50,488H; κ-Opioid receptor agonists; Cerebral ischemia; Runway tasks; Reference memory (Ohno, M. (193) 357)

WY-50,295 tromethamine
Pleurisy; Leukotriene B_4; Thromboxane B_2; Lipoxygenase inhibitors (Berkenkopf, J.W. (193) 29)

***Xenopus* oocytes**
Endothelin; Sarafotoxin; Desensitization; Brain; (Receptor) (Shimada, S. (193) 123)